

## Water-Data Report 2008

**01411390 CAPE MAY HARBOR AT CAPE MAY, NJ**

## CAPE MAY HARBOR

LOCATION.--Lat 38°56'55", long 74°53'26" referenced to North American Datum of 1983, Cape May City, Cape May County, NJ, Hydrologic Unit 02040302, on Pier 4 at U.S. Coast Guard Station in Cape May, 0.7 mi east of east entrance to Cape May Canal, and 1.0 mi west of Cape May Inlet.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Annual maximum tide, water years 1965-85, 1992. Unpublished fragmentary gage-height record, September 1997 to May 2000. Continuous-record tide gage, June 2000 to current year.

GAGE.--Water-stage, air temperature, water temperature, wind speed and direction, barometric pressure, and rainfall recorder and crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.31 ft. To determine approximate elevations in Mean Lower Low Water datum, add 2.77 ft (revised to Tidal Epoch 1983-2001). From water year 1965-85 and 1992, datum of crest-stage gage at 0.00 ft NGVD of 1929. Data published to NGVD of 1929 can be adjusted to NAVD of 1988 by subtracting 1.31 ft. Online annual tidal peaks have been adjusted to current datum.

REMARKS.--Missing gage-height record on short portions of days. The gage was temporarily removed on Jun 26, 2008 due to pier reconstruction. Gage cannot measure a tide level below -4.66 ft. Tide levels below -4.66 have been estimated. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (--) lines. Satellite stage and weather telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 5.53 ft (adjusted to NAVD of 1988), Oct 25, 1980; minimum elevation, estimated at -5.6 ft, Mar 9, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.79 ft, May 12; minimum elevation, estimated at -5.5 ft, Mar 9 and 10.

Statistics of Tide Elevations, in feet  
 Water Year October 2007 to September 2008  
 [e, estimated]

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.18	0.03	-2.17
November	1.89	-0.25	-2.44
December	1.69	-0.44	-2.62
CALENDAR YEAR 2007	1.80	-0.33	-2.55
January	1.54	-0.55	-2.68
February	1.54	-0.62	-2.84
March	1.59	-0.51	-2.69
April	2.00	-0.12	-2.29
May	2.31	0.14	-2.10
June	e2.0	e-0.2	e-2.5
July	---	---	---
August	---	---	---
September	---	---	---
WATER YEAR 2008	---	---	---

## 01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[*e*, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>October</b>				<b>November</b>				<b>December</b>			
<b>1</b>	2.94	-0.02	-2.40	2.13	-0.39	-2.46	0.64	-1.44	-3.68	1.33	-0.63	-2.70
<b>2</b>	2.76	0.07	-2.14	2.67	0.52	-1.58	1.49	-0.44	-2.26	0.96	-1.15	-2.93
<b>3</b>	2.38	-0.02	-2.13	3.56	1.71	-0.60	1.64	-0.87	-3.50	1.46	-0.75	-2.43
<b>4</b>	2.29	-0.02	-2.03	2.16	0.03	-2.51	0.22	-1.75	-3.54	1.63	-1.00	-3.46
<b>5</b>	2.10	-0.14	-2.10	1.73	-0.33	-2.41	1.36	-0.55	-2.37	0.75	-1.39	-3.22
<b>6</b>	2.21	-0.12	-2.17	2.52	-0.30	-2.94	2.11	-0.17	-2.44	1.49	-0.75	-2.66
<b>7</b>	2.70	0.08	-2.32	1.63	-0.59	-2.72	2.06	-0.51	-2.63	2.31	-0.44	-2.63
<b>8</b>	2.45	0.28	-2.10	2.32	-0.15	-2.53	1.90	-0.79	-2.89	2.29	-0.63	-2.96
<b>9</b>	3.36	0.57	-2.18	2.60	0.00	-2.24	2.06	-0.71	-3.09	2.34	-0.85	-3.60
<b>10</b>	3.20	0.90	-1.39	2.95	0.46	-1.94	2.44	-0.36	-2.82	2.24	-0.74	-3.34
<b>11</b>	3.49	0.79	-1.64	2.87	0.35	-1.68	2.57	-0.28	-2.62	2.62	-0.31	-2.99
<b>12</b>	2.21	0.04	-2.19	2.32	-0.35	-2.61	1.92	-0.91	-3.17	2.42	-0.33	-2.79
<b>13</b>	2.69	0.12	-2.06	2.34	-0.29	-2.22	2.62	-0.26	-2.63	2.67	0.11	-2.10
<b>14</b>	2.41	-0.17	-2.18	2.39	-0.08	-2.05	2.51	-0.10	-2.16	2.75	0.50	-1.85
<b>15</b>	2.33	-0.11	-1.87	2.06	-0.29	-1.92	2.21	-0.10	-2.33	2.16	-0.45	-2.94
<b>16</b>	2.09	-0.17	-1.86	1.36	-0.98	-2.79	3.51	0.77	-1.77	1.28	-0.96	-3.30
<b>17</b>	2.12	-0.08	-1.71	1.26	-1.01	-2.79	0.57	-2.06	-4.09	1.89	0.03	-1.77
<b>18</b>	2.21	-0.01	-1.66	1.99	-0.17	-1.98	0.74	-1.37	-3.49	3.11	-0.14	-2.85
<b>19</b>	2.46	0.26	-1.37	2.13	0.27	-1.82	1.73	-0.50	-2.88	2.02	-0.64	-2.99
<b>20</b>	2.32	-0.02	-2.15	2.26	-0.02	-2.65	2.45	-0.27	-3.02	2.50	-0.82	-4.27
<b>21</b>	1.81	-0.50	-2.73	2.55	0.03	-2.75	2.95	0.60	-1.82	1.72	-1.24	-3.97
<b>22</b>	2.21	-0.37	-2.94	3.09	-0.09	-3.94	3.71	0.45	-2.28	2.41	-1.04	-4.09
<b>23</b>	2.51	-0.17	-2.57	2.98	-0.37	-3.28	3.53	0.21	-2.63	2.40	-0.91	-4.08
<b>24</b>	2.67	-0.22	-3.30	3.14	-0.41	-3.51	3.11	-0.67	-3.70	2.64	-0.50	-3.88
<b>25</b>	3.67	0.93	-2.77	2.98	-0.63	-3.86	2.35	-1.18	-4.52	2.17	-0.79	-3.54
<b>26</b>	4.06	0.76	-2.29	2.90	-0.49	-3.70	2.94	-0.09	-3.77	2.06	-0.61	-3.07
<b>27</b>	3.92	0.06	-3.32	2.39	-1.09	-3.82	3.49	0.58	-1.83	2.31	0.17	-1.90
<b>28</b>	3.00	-0.49	-3.43	1.96	-1.21	-4.33	2.31	-0.21	-2.52	2.52	0.68	-1.03
<b>29</b>	3.16	-0.29	-3.03	2.22	-0.68	-3.07	2.17	-0.15	-2.36	2.34	0.29	-1.43
<b>30</b>	2.53	-0.56	-3.02	1.80	-0.95	-2.94	1.57	-0.23	-2.30	1.91	-0.75	-2.49
<b>31</b>	2.44	-0.41	-2.69	---	---	---	2.51	-0.30	-2.37	0.47	-1.06	-2.64
<b>Max</b>	4.06	0.93	-1.37	3.56	1.71	-0.60	3.71	0.77	-1.77	3.11	0.68	-1.03
<b>Min</b>	1.81	-0.56	-3.43	1.26	-1.21	-4.33	0.22	-2.06	-4.52	0.47	-1.39	-4.27

## 01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	1.69	0.12	-1.98	1.27	-0.77	-2.16	1.44	-0.87	-3.15	2.02	0.01	-2.31
<b>2</b>	1.37	-1.22	-3.10	0.68	-1.21	-2.71	0.84	-1.19	-2.97	2.65	0.11	-2.63
<b>3</b>	1.00	-1.09	-2.99	1.19	-0.84	-2.72	1.49	-0.89	-3.31	3.60	0.67	-2.15
<b>4</b>	1.72	-0.48	-2.18	1.55	-0.71	-2.69	2.16	-0.55	-3.36	3.46	0.39	-2.87
<b>5</b>	2.32	-0.28	-2.60	2.15	-0.42	-3.60	2.76	-0.31	-3.42	3.44	-0.04	-3.17
<b>6</b>	2.62	-0.34	-3.12	2.37	-0.39	-3.19	4.10	0.42	-3.27	3.43	-0.20	-3.29
<b>7</b>	2.48	-0.22	-3.00	2.99	0.08	-3.36	3.97	0.72	-2.20	3.53	-0.19	-3.26
<b>8</b>	3.17	0.12	-2.77	2.70	-0.20	-3.21	3.27	0.40	-2.43	3.05	-0.48	-3.38
<b>9</b>	2.83	-0.13	-3.08	0.58	e-2.6	e-5.5	1.74	-0.26	-2.92	2.09	0.17	-2.79
<b>10</b>	2.68	-0.75	-3.19	1.80	e-1.6	e-5.5	3.01	-0.43	-2.83	3.95	0.77	-1.76
<b>11</b>	0.45	e-2.2	e-5.0	1.67	-0.83	-3.77	2.58	-0.27	-2.56	3.00	0.86	-1.82
<b>12</b>	0.71	-1.39	-3.95	2.72	-0.49	-2.82	2.77	-0.09	-2.22	4.79	2.66	0.62
<b>13</b>	2.28	-0.29	-2.75	2.09	-0.45	-2.87	2.29	-0.04	-2.15	3.58	1.29	-1.05
<b>14</b>	2.38	-0.44	-2.79	2.65	0.04	-2.11	2.36	0.03	-2.35	2.48	0.49	-1.71
<b>15</b>	1.85	-1.03	-3.39	2.85	0.38	-1.93	1.74	-0.24	-2.54	2.59	0.41	-1.76
<b>16</b>	1.77	-0.78	-3.19	3.36	0.74	-1.77	1.73	-0.41	-2.72	2.96	0.51	-1.82
<b>17</b>	2.36	-0.27	-2.77	1.98	-0.07	-2.23	2.24	-0.14	-2.57	2.62	0.42	-1.70
<b>18</b>	2.62	-0.36	-3.35	2.50	0.34	-1.81	2.40	0.01	-2.45	2.86	0.24	-2.38
<b>19</b>	2.36	-0.92	-3.56	3.12	0.66	-2.06	2.54	-0.13	-2.63	2.50	-0.03	-2.30
<b>20</b>	1.85	-1.19	-4.65	2.32	-0.08	-2.83	2.90	0.05	-2.53	2.90	0.02	-2.35
<b>21</b>	1.88	-0.93	-4.01	1.23	-1.31	-4.04	2.77	0.27	-1.99	2.89	0.16	-1.93
<b>22</b>	2.31	-0.30	-3.74	2.10	-1.02	-4.20	2.39	-0.08	-2.13	2.47	-0.16	-2.12
<b>23</b>	2.43	-0.15	-2.82	2.04	-0.59	-3.30	2.18	-0.35	-2.33	2.42	-0.37	-2.32
<b>24</b>	2.06	-0.32	-2.65	1.99	-0.59	-2.88	2.12	-0.49	-2.36	2.38	-0.15	-2.14
<b>25</b>	1.68	-0.69	-2.79	2.08	-0.44	-2.75	1.00	-0.19	-2.08	1.03	-0.20	-2.03
<b>26</b>	1.56	-0.23	-2.41	0.26	-1.02	-2.91	2.26	0.28	-1.65	2.15	-0.41	-2.25
<b>27</b>	2.20	-0.42	-2.21	1.56	-0.56	-2.42	2.56	0.50	-1.15	1.47	-0.75	-2.81
<b>28</b>	0.98	-1.26	-2.96	1.79	-0.40	-2.05	2.39	0.47	-1.11	1.65	-0.28	-2.21
<b>29</b>	0.65	-0.67	-2.05	1.62	-0.50	-2.01	2.46	0.19	-1.66	1.49	-0.54	-2.66
<b>30</b>	---	---	---	1.24	-0.49	-1.94	2.13	0.03	-1.99	1.86	-0.61	-3.07
<b>31</b>	---	---	---	1.23	-0.56	-2.10	---	---	---	2.19	-0.34	-2.99
<b>Max</b>	3.17	0.12	-1.98	3.36	0.74	-1.77	4.10	0.72	-1.11	4.79	2.66	0.62
<b>Min</b>	0.45	e-2.2	e-5.0	0.26	e-2.6	e-5.5	0.84	-1.19	-3.42	1.03	-0.75	-3.38

## 01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>June</b>				<b>July</b>				<b>August</b>			
<b>1</b>	2.94	-0.30	-3.23	---	---	---	---	---	---	---	---	---
<b>2</b>	3.16	-0.21	-3.28	---	---	---	---	---	---	---	---	---
<b>3</b>	3.43	-0.28	-3.33	---	---	---	---	---	---	---	---	---
<b>4</b>	3.54	-0.39	-3.72	---	---	---	---	---	---	---	---	---
<b>5</b>	3.31	-0.27	-3.23	---	---	---	---	---	---	---	---	---
<b>6</b>	3.12	-0.35	-3.29	---	---	---	---	---	---	---	---	---
<b>7</b>	1.55	-0.49	-3.11	---	---	---	---	---	---	---	---	---
<b>8</b>	2.55	-0.49	-3.01	---	---	---	---	---	---	---	---	---
<b>9</b>	2.30	-0.28	-2.78	---	---	---	---	---	---	---	---	---
<b>10</b>	2.06	-0.14	-2.43	---	---	---	---	---	---	---	---	---
<b>11</b>	1.89	-0.16	-2.41	---	---	---	---	---	---	---	---	---
<b>12</b>	1.71	-0.34	-2.43	---	---	---	---	---	---	---	---	---
<b>13</b>	1.81	-0.38	-2.47	---	---	---	---	---	---	---	---	---
<b>14</b>	2.23	-0.24	-2.22	---	---	---	---	---	---	---	---	---
<b>15</b>	2.65	0.13	-2.17	---	---	---	---	---	---	---	---	---
<b>16</b>	2.66	0.19	-1.79	---	---	---	---	---	---	---	---	---
<b>17</b>	2.75	0.13	-1.99	---	---	---	---	---	---	---	---	---
<b>18</b>	2.85	0.13	-2.04	---	---	---	---	---	---	---	---	---
<b>19</b>	2.82	0.03	-1.97	---	---	---	---	---	---	---	---	---
<b>20</b>	2.55	-0.16	-2.23	---	---	---	---	---	---	---	---	---
<b>21</b>	2.37	-0.29	-2.36	---	---	---	---	---	---	---	---	---
<b>22</b>	2.42	-0.28	-2.39	---	---	---	---	---	---	---	---	---
<b>23</b>	1.47	-0.19	-2.17	---	---	---	---	---	---	---	---	---
<b>24</b>	2.27	-0.43	-2.43	---	---	---	---	---	---	---	---	---
<b>25</b>	1.85	-0.52	-2.70	---	---	---	---	---	---	---	---	---
<b>26</b>	---	---	-2.59	---	---	---	---	---	---	---	---	---
<b>27</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>28</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>29</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>30</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>31</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Max</b>	3.54	0.19	-1.79	---	---	---	---	---	---	---	---	---
<b>Min</b>	1.47	-0.52	-3.72	---	---	---	---	---	---	---	---	---

**01411390 CAPE MAY HARBOR AT CAPE MAY, NJ—Continued**